

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

- Utility Patent Specification -

Inventor: Fred C. Hoyle, IV
Invention: ALL-IN-ONE FITTING BRUSH

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Description

Technical Field

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The present invention relates to brushes for cleaning pipe ends, pipe fittings and the like and more particularly to a multi-headed cleaning tool that includes a handle having a rotatable end fitting for receiving a dog legged shaped shank, a dog leg shaped shank having a far end provided with a stop ball with an outside band for receiving the back end of the shaft of a cleaning item, and a number of cleaning items including detachable brushes and shafts adapted for holding sandpaper and the like.

Background of Invention

It is often difficult for plumbers and other individuals who work with piping tubing and the like to clean the interior of the fittings prior to making attachments. Although it is difficult to perform these cleanings, it is necessary that they be cleaned so that a proper joint may be fastened between the pipe and the fitting. It would be desirable, therefore, to have a tool that included a handle that could be easily attached to any one of a number of brushes or other cleaning elements so that the user could rapidly and easily clean the pipe and/or fitting as needed.

Summary of Invention

It is thus an object of the invention to provide an all-in-one fitting brush that includes a handle having a rotatable end fitting for receiving a dog legged shaped shank, a dog leg shaped shank
5 having a far end provided with a stop ball with an outside band for receiving the back end of the shaft of a cleaning item, and a number of cleaning items including detachable brushes and shafts adapted for holding sandpaper and the like.

Accordingly, an all-in-one fitting brush is provided. The
10 all-in-one fitting brush includes a handle having a rotatable end fitting for receiving a dog legged shaped shank, a dog leg shaped shank having a far end provided with a stop ball with an outside band for receiving the back end of the shaft of a cleaning item,
15 and a number of cleaning items including detachable brushes and shafts adapted for holding sandpaper and the like.

Brief Description of Drawings

For a further understanding of the nature and objects of the present invention, reference should be had to the following detailed description, taken in conjunction with the accompanying
20 drawings, in which like elements are given the same or analogous reference numbers and wherein:

Figure 1 is a side plan view of an exemplary embodiment of the fitting brush system of the present invention showing the handle,

the dog leg shaped shank, two exemplary detachable brushes and an exemplary shaft having a slot for gripping sandpaper at the far end thereof.

Exemplary Embodiments

5 Figure 1 shows an exemplary embodiment of the all-in-one fitting brush of the present invention generally designated 10. All-in-one fitting brush 10 includes a handle generally designated 12 having a rotatable end fitting 14 that is adapted for receiving the end 16 of a dog leg shaped shank generally designated 18. Dog
10 leg shaped shank 18 has a far end 20 that is adapted to receive the shaft portion 26 of a variety of cleaning tools including brushes 30, 32 and sandpaper holding tool 34.

It can be seen from the preceding description that an all-in-one fitting brush has been provided.

15 It is noted that the embodiment of the all-in-one fitting brush described herein in detail for exemplary purposes is of course subject to many different variations in structure, design, application and methodology. Because many varying and different
20 embodiments may be made within the scope of the inventive concept(s) herein taught, and because many modifications may be made in the embodiment herein detailed in accordance with the

descriptive requirements of the law, it is to be understood that the details herein are to be interpreted as illustrative and not in a limiting sense.

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